State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #_____
HRI #_____
Trinomial_____
NRHP Status Code_____
Other Listings_____
Review Code_____ Reviewer_____ Date_____

 Resource name(s) or number(assigned by recorder) N-207A

P1. Other Identifier: Propulsion Simulation Calibration, Blade Shop
***P2. Location:** ☒Not for Publication ☐Unrestricted ***a. County** Santa Clara
***b. USGS 7.5' Quad** Mountain View, Calif. **Date:** 1995
***c. Address** 385 King Road **City** Moffett Field **Zip** 94035
***e. Other Locational Data:**

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries.)

Located along Mark Avenue, Building N-207A is a two-story, utilitarian warehouse and testing addition to Building N-207. The building has a concrete foundation, flat roof, concrete walls. A corrugated metal addition is connected to N-207A on the east facade. Along the south façade is a steel overhead door. A pedestrian entrance is located on the east façade. From the exterior, the building appears to be two stories, however, the interior is comprised of a double-height single-story space that houses the blade storage for the Unitary Plan Wind Tunnels. Portions of N-207A were demolished in 1985. The north façade functions as the building's secondary façade and features infilled openings, steel-sash windows, and mechanical equipment. This building appears to be in good condition.

To the north of this building, in between Buildings N-207A and N-207, is a two-story wood-frame cooling tower and a small one-story steel electrical shed.

***P3b. Resource Attributes:** (list attributes and codes) HP 8 – Industrial Building

***P4. Resources Present:** ☒Building ☐Structure ☐Object ☐Site ☐District ☐Element of District ☐Other

P5a. Photo

P5b. Photo: (view and date)
View of south façade (08/04/05)

***P6. Date Constructed/Age and Sources:** 1949

***P7. Owner and Address:**
United States of America as represented by National Aeronautics and Space Administration (NASA)

***P8. Recorded by:**
Page & Turnbull, Inc.
724 Pine Street
San Francisco, CA 94108

***P9. Date Recorded:** 10/19/07

***P10. Survey Type:**
Reconnaissance

***P11. Report Citation:** Architectural Resources Group, *Building Evaluations, NASA Ames Research Center, Moffett Field, California* (July 27, 2001)

***Attachments:** ☐None ☐Location Map ☐Sketch Map ☒Continuation Sheet ☒Building, Structure, and Object Record
☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (list)

P5a. Photo (cont'd)

View of north façade
Source: Page & Turnbull, October 19, 2007

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Primary #_____
HRI#_____

BUILDING, STRUCTURE, AND OBJECT RECORD

*NRHP Status Code 6Z

*Resource Name or # N-207A

B1. Historic name: Propulsion Simulator Calibration Laboratory Building
B2. Common name: Blade Storage Building for Unitary Plan Wind Tunnels
B3. Original Use: Research B4. Present use: Blade Storage
***B5. Architectural Style:** Moderne with 20th-Century Industrial influences
***B6. Construction History:** (Construction date, alterations, and date of alterations)
1949 – Date of Construction; 1985 – Demolition of original N-207A, reconstruction of building, and addition of vertical metal corrugated siding by Hoover & Associates of Palo Alto.

***B7. Moved?** ☒No ☐Yes ☐Unknown **Date:**_____ **Original Location:**_____
***B8. Related Features:**
Significant architectural features include concrete exterior, interior layout, and the 10-ft diameter metal testing chamber.

B9a. Architect: National Advisory Committee for Aeromautics (NACA) Engineers b. Builder: NACA
***B10. Significance: Theme** Post-War Science and Space Exploration **Area** NASA Ames Research Center
Period of Significance 1940-1958 **Property Type** Research Facility **Applicable Criteria** n/a
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity)
Building N-207A was initial constructed as an extension to Building N-207 – the former Supersonic Tunnel Laboratory Building. Building N-207A was a 3000 sq ft. rear addition that encompassed three side of the Building N-207A. Initially this addition was part of a collection of several research and support buildings built between 1940 and 1958. Founded in 1939, Ames Research Center was the second aeronautic research facility built for the National Advisory Committee for Aeronautics (NACA). Ames was vital in the development of the field of aeronautical research and science. Along with new research facilities, such as wind tunnels and testing facilities, several support buildings were constructed for the staff, including offices, machine shops, manufacturing facilities, and laboratories. During this time period, these research and support buildings were rendered in an architectural vocabulary, which allowed for a variety of uses and a cohesive campus setting. These buildings were most often, one and two stories in height with concrete structural systems, unpainted concrete exteriors (with scored concrete detailing), and steel or wood-sash awning or hopper windows. They expressed Moderne architectural details with their scored exteriors, tripartite concrete panels (located between windows and doors), concrete entry canopies, and rectilinear configurations. Additionally, these buildings exhibited influences of 20th-Century Industrial architecture with their smooth, concrete exteriors and steel-sash awning and hopper windows. The exterior of this building retains more historical significance than the interior, which has been extensively altered over time. This building possesses integrity of location and setting. However, this building does not possess historic significance or sufficient integrity to qualify it for individual listing in the National Register of Historic Places or the California Register of Historical Resources.

B11. Additional Resource Attributes: (List attributes and codes) (HP39) – Research and Development Facility
***B12. References:**

- Architectural Resources Group, *Building Evaluations, NASA Ames Research Center, Moffett Field, California* (July 27, 2001)
- Edwin Hartman, *Adventures in Research: A History of Ames Research Center, 1940 – 1965* (NASA SP-4302, 1970).
- Elizabeth A. Muenger, *Searching the Horizon: A History of Ames Research Center, 1940 – 1976* (NASA SP-4304, 1985).
- Glenn Bugos, *Atmosphere of Freedom: Sixty Years at the NASA Ames Research Center* (NASA SP-4314, 2000).
- Donald Baels and William R. Corliss, *The Wind Tunnels of NASA* (NASA SP-440, 1981)
- National Aeronautics and Space Administration, *Technical Facilities Catalog*, Volume 1, publication NHB 8800.5A (1), October 1974.
- Technical Information Division, Ames Research Center, *Ames Research Facilities Summary,* 1974.

B13. Remarks: In 2005, Page & Turnbull completed a reconnaissance-level survey of all buildings at the NASA Ames Research Center.
***B14. Evaluator:** Rich Sucre, Page & Turnbull, Inc.
724 Pine Street, San Francisco, CA 94108
***Date of Evaluation:** 10/19/2007

(This space reserved for official comments.)

Sketch Map